

<b>N11-1</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	1.5 1.5	Black/Yellow Black/White	4	30	Left electric window Right electric window	From
2	2.5	Black/Red	3	20	Interior heater fan. Heated seats control modules	From
3	1.5	Black/Yellow	8	20	Ignition coils: cylinders 1,2,3	From
4	1.5 1.5	Pink/Red Pink/Red	2	20	Wiper stalk supply Wiper motor (via relay)	From From
5	1.0	Violet	13	15	Front fog lamp supply (constant live)	From
6	2.5	Red/Black	14	25	ESP control unit supply (constant live)	From
7	2.5	Pink	12	15	Radio supply (constant live)	From
8	-	-	1	15	Starter motor relay	From
<b>N11-2</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	0.5	Brown/Green	-	-	MEG (ECU)	From
2	2.5	Black	28	30	Heated rear window, heated wing mirrors	From
3	1.5	Red/White	11	7.5	Instrument cluster, pods, trip computer, key receiver (constant live)	From
4	0.35	Red/Green	11	7.5	Triangle (hazard lights, central locking buttons - constant live)	From
5	4.0	Brown	-	-	Ground for electric soft top relay	From
6	4.0	Yellow	29	25	Soft top motor (via relay)	From
7	0.35	Blue	-	-	MEG (ECU) Gear select system (constant live)	From
8	4.0	Red/White	29	25	Soft top motor (via relay)	From
<b>N11-3</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	-	-	17	15	Rear wiper - not used on any Roadster	-
2	1.5	Grey	18	7.5	Crash system (airbags, seat belts, ECU, ESP)	From
3	0.5 0.5	Red/Yellow Red/Yellow	19	7.5	Electric wing mirror switch & supply Electric soft top switch	From From
4	1.0	Blue	20	15	Front fog light relay, trip computer, radio, heated seat modules, power steering, rain/light sensor switched live supply.	From
5	1.5	Blue/Yellow	21	15	Cigarette lighter	From
6	1.0	Grey/Red	22	7.5	Right headlight (low beam)	From
7	1.0	Blue/Green	23	7.5	Left headlight (low beam)	From
8	1.0	White	24	7.5	Right headlight (full beam)	From

<b>N11-1</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
9	0.5 1.0	White/Blue White/Blue	25	7.5	Dashboard indicator (full beam) Left headlight (full beam)	From From
10	1.5	Red/Black	16	10	Fuel pump, fuel level sensor	From
11	1.0	Blue/Red	26	15	Brake lights (via brake switch - constant live)	From
12	1.5	Red/White	27	7.5	MEG (ECU) power supply (constant live)	From
<b>N11-4</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	4.0	Red/Black	-	-	Ignition switch in position 1 (switched live supply)	To
2	4.0	Red/Blue	30	40	Gearshift system	From
<b>N11-5</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	-	-	-	-	Not used	-
2	-	-	17	15	Rear wiper - not used on any Roadster	-
3	1.5	Red	2	20	Wiper motor (via external relay)	From
4	-	-	-	-	Wiper motor relay signal	-
5	1.5	Brown	-	-	SAM wiper motor relay ground	From
6	0.75	Red/White	5	7.5	Indicator, headlight stalk (constant live)	From
7	1.0	Brown/White	6	7.5	Right side lights, interior backlights, numberplate lights	From
8	0.5	Red/Green	12	15	Interior light, rain/light sensor supply (constant live)	From
9	0.5 0.75	Brown/Yellow Brown/Grey	7	7.5	Left front side light Left rear side light	From
10	1.5	Green	9	10	Engine connector (ESP)	From
11	0.5	Black/Pink	10	15	MEG (ECU) Fuel pump instruction	From
12	2.0	Yellow/Black	10	15	MEG (ECU) Engine run signal	From
<b>N11-6</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	2.5	Blue	1	25	Starter motor	From
2	2.5	Pink	32	30	Exhaust CAT preheater	From
<b>N11-7</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	3.0	Red/White	35	30	EPS - Power steering (constant live)	From
2	4.0	Red	34	50	ESP - Traction Control (constant live)	From
3	4.0	Red/Black	33	50	Ignition starter switch (constant live)	From
<b>N11-8</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Function</b>			<b>To/From SAM</b>

<b>N11-1</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	-	-	-			-
2	0.5	Brown/White			Ground for boot release	From
3	0.5	Grey/Red			Windscreen wiper stalk in intermittent position	To
4	0.5	Yellow/White			Right door microswitch (door open) [swap with 19 for LHD/RHD conversion]	From
5	-	-	-			-
6	-	-	-			-
7	-	-	-			-
8	0.5	Yellow/Green			Crash signal two airbags	From
	0.5	Yellow/Green			Crash signal side airbags	From
9	0.75	Pink/Red			Wiper motor park signal from wiper motor	To
10	0.5	Green/Blue			Console backlight signal from headlight stalk	To
11	0.35	Black/Green			Cruise control supply	From
12	-	-	-			-
13	0.5	Brown			Ground for wiper system	From
14	0.35	White/Black			CAN interface High (to instrument cluster)	Both
15	0.35	Brown/Red			CAN interface Low (to interface cluster)	Both
16	0.5	Red			Steering wheel horn and paddle wheel	From
17	0.5	Yellow			Wiper stalk in fast position (up two positions)	To
18	0.5	Blue/Black			Central locking system door microswitches	From
19	0.5	Yellow/Red			Left door microswitch (door open) [swap with 4 for LHD/RHD conversion]	From
20	0.5	Green			Remote boot release switch	From
31	0.5	Blue			Interior fan in OFF position (to disable aircon)	To
32	0.5	Blue/White			Roof bar microswitches (to stop electric roof)	From
33	0.5	Pink/Black			Boot microswitch (to stop electric roof)	From
34	0.5	Grey			Hand brake indicator switch	From
35	0.5	White			Electric soft top switch	From
36	-	-	-			-
37	-	-	-			-
38	0.5	Grey/Blue			Ignition switch in position 2	To
39	0.35	White/Black			CAN interface Low (to MEG and steering assist)	Both
40	0.35	Brown/Red			CAN interface High (to MEG and steering assist)	Both
<b>N11-9</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Function</b>		<b>To/From SAM</b>	
1	0.75	Black/White		Left indicators		From
2	0.35	Grey		Aircon first stage from triangle		To
3	0.35	White/Grey		OBD port pin 1		From
4	0.5	Grey/Blue		Interior light (signal from door open)		From
5	-	-	-			-
6	0.5	Pink		Front fog lamp relay ground (from external fog lamp relay)		To
7	0.35	Pink/Red		Cruise control (from stalk)		To
8	-	-	-			-
9	0.5	Blue/Yellow		Auto lights switch		From

<b>N11-1</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
10	0.35	Green/Brown			Cruise control (from stalk)	To
11	0.75	Black/Green			Right indicators	From
12	0.35	Violet/Blue			Hazard light switch (from triangle)	To
13	0.35	Blue			Central locking switch (from triangle)	To
14	0.5	Violet			LIN bus to trip computer / pods / rain & light sensor	Both
15	-	-			-	-
16	0.5	Blue/White			Wiper system relay ground	To
17	0.35	Yellow/Black			Front fog lamp switch (on/off signal)	From
18	0.5	Blue/Yellow			Auto lights switch	From
19	-	-			-	-
20	0.5	White			Infra red / Radio key receiver data link	Both
31	0.35	Green			Aircon second stage from triangle	To
32	0.35	Black/Red			Rear window (and electric wing mirror) heater switch from triangle	To
33	0.5	Red/Yellow			Rear fog light switch signal from headlight stalk	To
34	0.5	Yellow			High beam flash signal from headlight stalk (stalk pulled back)	To
35	0.5	Yellow/Green			Low beam signal from headlight stalk (stalk twisted to 2nd position)	To
36	0.5	Green/Blue			Wiper stalk in slow constant wipe position (up one position)	To
37	0.5	Yellow/Black			Fog light switch	From
38	0.5	Blue			Right indicators from headlight stalk	To
39	0.5	Black/Green			Left indicators from headlight stalk	To
40	0.5	Red/Green			Washer pump signal from wiper stalk (stalk pulled back)	To
<b>N11-10</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	1.0	Brown	-	-	Ground	From
2	1.5	White	-	-	Aircon compressor	From
3	2.5	Brown/Green	-	-	Front radiator fan	From
4	1.0	Grey/Blue	31	30	Central locking (doors & fuel cover) Lock/Unlock	Both
5	1.0	White/Blue	31	30	Central locking (doors & fuel cover) Lock/Unlock	Both
6	1.5	Blue/Red	31	30	Horn	From
7	1.5	Yellow	15	15	Intercooler / Chargecooler fan	From
8	0.5	Red	31	30	Boot release solenoid	From
<b>N11-11</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
1	16.0	Red	-	-	Main supply from battery	To
<b>R</b>	<b>Wire Size</b>	<b>Wire Colour</b>	<b>Fuse No.</b>	<b>Fuse Rating</b>	<b>Function</b>	<b>To/From SAM</b>
R1	-	-	-	-	-	-
R2	-	-	-	-	-	-
R3	-	-	-	-	-	-

N11-1	Wire Size	Wire Colour	Fuse No.	Fuse Rating	Function	To/From SAM
R4	-	-	-	-	-	-
R5	-	-	-	-	-	-
R6	-	-	-	-	-	-
R7	-	-	-	-	-	-
R8	-	-	-	-	-	-
R9	1.5 1.5	Red Red	44	25	Heated seats	From

From:

<https://www.smart-wiki.net/> - Smart WIKI



Permanent link:

[https://www.smart-wiki.net/452/sam\\_pinne](https://www.smart-wiki.net/452/sam_pinne)

Last update: **2016/10/20 21:44**